

## RF Exposure Report

**Report No.:** MFAAGC-WTW-P23110065

**FCC ID:** 2A8BG-NOTE32WL

**Test Model:** NOTE-LWUS

**Received Date:** Nov. 02, 2023

**Test Date:** Dec. 01 ~ Dec. 20, 2023

**Issued Date:** Aug. 13, 2024

**Applicant:** Blues Inc.

**Address:** 50 Harbor St Manchester, MA, 01944-1425 United States.

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, TAIWAN

**FCC Registration /** 788550 / TW0003  
**Designation Number:**



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**Release Control Record**

Issue No.	Description	Date Issued
MFAAGC-WTW-P23110065	Original release.	Aug. 13, 2024

## 1 Certificate of Conformity

**Product:** Notecard  
**Brand:** Blues Inc.  
**Test Model:** NOTE-LWUS  
**Sample Status:** Engineering sample  
**Applicant:** Blues Inc.  
**Test Date:** Dec. 01 ~ Dec. 20, 2023  
**FCC Rule Part:** FCC Part 2 (Section 2.1091)  
**Standards:** KDB 447498 D04 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Polly Chien , **Date:** Aug. 13, 2024  
Polly Chien / Specialist

**Approved by :** Jeremy Lin , **Date:** Aug. 13, 2024  
Jeremy Lin / Project Engineer

## 2 RF Exposure

### 2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	f/1500	30
1500-100,000	...	...	1.0	30

f = Frequency in MHz; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$r$  = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

## 3 Calculation Result

Function	Frequency Band (MHz)	Radiated E-field Strength (dBuV/m) @3m	Radiated Output Power (dBm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
LoRa	902.3~914.9	93.8	-1.43	0.00014	0.606

Note:

- Output power (dBm) = Field Strength (dBuV/m)@3m - 95.23, Output power (mW) =  $10^{(Max\ power\ (dBm)/10)}$
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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